

What is claimed is:

1. A method of displaying a document together with a time stamp specified display of a video element comprising the steps of:

- 5      (a) providing said document including a structure for receiving a time stamp value associated with said video element;
- 10      (b) inserting said time stamp value said associated with said video element in said structure;
- (c) reading said time stamp value in said document; and
- (d) at least one of providing and signaling the availability of said document to a viewer in accordance with said time stamp value.

2. The method of claim 1 wherein said availability of said document is signaled by displaying said document.

3. The method of claim 1 wherein said availability of said document is signaled by displaying to said viewer a notice of said availability to which said viewer may respond by causing said display of said document.

4. The method of claim 1 wherein said time stamp value is encoded in a data packet with said document before said data packet is transmitted.

5. The method of claim 1 wherein said time stamp value is inserted in said structure after said document is transmitted.

6. A method of displaying a document together with at least one of a video element and an audio element of a video comprising:

- (a) providing said document including a structure for receiving a time stamp value specifying a display time for said document;

- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20
- 21
- 22
- 23
- 24
- 25
- 26
- 27
- 28
- 29
- 30
- (b) encoding a first data packet comprising said document and said time stamp value;
- (c) encoding a second data packet comprising said time stamp value and a target datum in said at least one of said video element and said audio element;
- (d) reconstructing said document from said first data packet;
- (e) capturing said time stamp value from said first data packet;
- (f) inserting said time stamp value into said structure for receiving said time stamp value;
- (g) reading said time stamp value in said document; and
- (h) at least one of providing and signaling the availability of said document to a viewer and displaying said target datum of said at least one of said video element and said audio element at said display time specified by said time stamp value.

7. The method of claim 6 wherein the presence of said document is signaled by displaying said document.

8. The method of claim 7 further comprising the steps of:

- (a) including in said document a display time interval; and
- (b) terminating said display of said document at a time specified by said display time interval and said time stamp value.

9. The method of claim 6 wherein the presence of said document is signaled by displaying a command by which said viewer can cause said document to be displayed.

10. The method of claim 6 further comprising transmitting said first and second data packets to a receiver.

11. An apparatus for displaying a document together with at least one of a video and an audio element of a video comprising:

- 5
- sub A3
- 10
- 15
- 20
- (a) a document server for delivering said document including a structure for receiving a time stamp value as a first data stream to a packet assembler said delivery being coordinated with the arrival of a target datum in a second data stream representing said at least one of a video element and an audio element;
  - (b) said packet assembler for encoding a first data packet comprising a data unit representing said document and a time stamp value specifying a time for displaying said document and a second data packet comprising said target datum and said time stamp value;
  - (c) a packet disassembler for separating said data unit and said time stamp value from said first data packet;
  - (d) a parser to reconstruct said document from said data unit;
  - (e) a time stamp loader to insert said time stamp value into said structure for receiving said time stamp value; and
  - (f) a data presentation engine to read said document and signal a viewer of the availability of said document at said time specified by said time stamp value.

12. The apparatus of claim 11 wherein the availability of said document is signaled by displaying said document on a display.

13. The apparatus of claim 11 further comprising:

- 25
- (a) a storage device to store said reconstructed document; and
  - (b) a command device enabling said viewer to cause the display of said document.

Further comp  
kets to a re

date	time	lat	long	alt	temp	humid	wind	dir	speed	cloud	vis	precip	remarks
1997-01-01	00:00	33.0	111.0	1000	10.0	60	10	090	10	0	10	0	clear
1997-01-01	01:00	33.0	111.0	1000	10.0	60	10	090	10	0	10	0	clear
1997-01-01	02:00	33.0	111.0	1000	10.0	60	10	090	10	0	10	0	clear
1997-01-01	03:00	33.0	111.0	1000	10.0	60	10	090	10	0	10	0	clear
1997-01-01	04:00	33.0	111.0	1000	10.0	60	10	090	10	0	10	0	clear
1997-01-01	05:00	33.0	111.0	1000	10.0	60	10	090	10	0	10	0	clear
1997-01-01	06:00	33.0	111.0	1000	10.0	60	10	090	10	0	10	0	clear
1997-01-01	07:00	33.0	111.0	1000	10.0	60	10	090	10	0	10	0	clear
1997-01-01	08:00	33.0	111.0	1000	10.0	60	10	090	10	0	10	0	clear
1997-01-01	09:00	33.0	111.0	1000	10.0	60	10	090	10	0	10	0	clear
1997-01-01	10:00	33.0	111.0	1000	10.0	60	10	090	10	0	10	0	clear
1997-01-01	11:00	33.0	111.0	1000	10.0	60	10	090	10	0	10	0	clear
1997-01-01	12:00	33.0	111.0	1000	10.0	60	10	090	10	0	10	0	clear
1997-01-01	13:00	33.0	111.0	1000	10.0	60	10	090	10	0	10	0	clear
1997-01-01	14:00	33.0	111.0	1000	10.0	60	10	090	10	0	10	0	clear
1997-01-01	15:00	33.0	111.0	1000	10.0	60	10	090	10	0	10	0	clear
1997-01-01	16:00	33.0	111.0	1000	10.0	60	10	090	10	0	10	0	clear
1997-01-01	17:00	33.0	111.0	1000	10.0	60	10	090	10	0	10	0	clear
1997-01-01	18:00	33.0	111.0	1000	10.0	60	10	090	10	0	10	0	clear
1997-01-01	19:00	33.0	111.0	1000	10.0	60	10	090	10	0	10	0	clear
1997-01-01	20:00	33.0	111.0	1000	10.0	60	10	090	10	0	10	0	clear
1997-01-01	21:00	33.0	111.0	1000	10.0	60	10	090	10	0	10	0	clear
1997-01-01	22:00	33.0	111.0	1000	10.0	60	10	090	10	0	10	0	clear
1997-01-01	23:00	33.0	111.0	1000	10.0	60	10	090	10	0	10	0	clear